

**In the Specification:**

Please amend the Specification on page 12, after Paragraph [], please insert:

---DETAILED DESCRIPTION OF THE INVENTION---

Please amend the abstract on page 26 to read as follows:

On a carrier surface [[(CP)]], a layer of ~~cell surface layer proteins~~ (S-layer proteins) (SU, SM, SL) is produced as a carrier of functional molecules by virtue of a A solution containing S-layer proteins in the form of monomers (SU) or oligomers (SM) ~~being~~ is brought into contact with the carrier surface. ~~To deposit the S-layer proteins, e~~ Electrochemical conditions are [[set]] produced in the solution at which such that the S-layer proteins (SU) have an electrical net charge [[, and]] by ~~setting the electrical potential of the carrier surface (CP)~~ establishing an electrochemical potential difference is produced between the solution and the carrier surface ~~under whose effect~~ such that the S-layer proteins ~~from the solution~~ accumulate on the carrier surface. ~~In the layer formed in this way,~~ a A two-dimensional crystalline structure (SL) ~~is then configured, wherein~~ is formed in the layer, and this can occur at a time separate from the deposition of the S-layer proteins, and under different electrochemical conditions ~~of the solution and/or the substrate.~~